

# COUNCIL COMMUNICATION

AGENDA TITLE:

Purchase of Padmount Transformers (\$42,039.74)

MEETING DATE:

December 18, 1996

PREPARED BY:

**Electric Utility Director** 

**RECOMMENDED ACTION:** 

That the City Council adopt the attached resolution awarding the bid for the purchase of four padmount transformers to the bidders whose proposals and equipment met City of Lodi specifications, and whose transformers are expected to yield the lowest overall

life-cycle costs, G E Supply Company of Sacramento in the 500KVA class (three units totaling \$29,131.29), and Western States Electric of Portland, Oregon, in the 1000KVA class (one unit at \$12,908.45).

BACKGROUND INFORMATION:

On November 6, 1996, the City Council approved specifications and authorized advertisement for bids for four padmount transformers.

On December 3, 1996, bids were opened and total life-cycle costs were evaluated. Life-cycle costs are the combined total of purchase price plus cost of operation based on estimated power loss during the projected life of the transformer. Proposals are also evaluated on the basis of compliance with equipment and bid specifications. Failure to comply with both may lead to disqualification of the bid. A summary of the bid evaluation is attached.

These transformers will be used to serve new industrial load, upgrade existing commercial installations, and to replenish the Department's inventory of transformers.

**FUNDING:** 

**Electric Utility Operating Fund** 

Alan N. Vallow, Electric Utility Director

Prepared by Joel Harris, Purchasing Officer cc: Assistant Electric Utility Director

APPROVED:

H Dixon Flynn -- City Manager

PAD CC2A.DOC

12/05/96

## TRANSFORMER BID EVALUATION

December 3,1996

Tax (factor) 1.0775
No load loss \$/watt 6.00
Load loss \$/watt 2.00

500 KVA, 208Y/120 Volt Padmount		Number of units:									
Unit Price	Extended Price	Price w/tax	No load loss (watts)	Load loss (watts)	No load loss value	Load loss value	Cost of Losses	Life cycle Cost	Delivery weeks	Height	Weight
9,012.00 7,725.00 6,295.00 7,147.00	27,036.00 23,175.00 18,885.00 21,441.00 0.00 0.00	24,971.06 20,348.59 23,102.68 0.00	633 654 810	3361 3021 3999 3277	4,572.00 11,394.00 11,772.00 14,580.00 0.00 0.00	20,166.00 18,126.00 23,994.00 19,662.00 0.00 0.00	24,738.00 29,520.00 35,766.00 34,242.00 0.00 0.00	53,869.29 54,491.06 56,114.59 57,344.68 0.00 0.00	13 10 11 18	77 66.75 58.5 75	
olt Padmou	ınt Num	ber of units:	1								
Unit Price	Extended Price	Price w/tax	No load loss (watts)	Load loss (watts)	No load loss value	Load loss value	Cost of Losses	Life cycle Cost	Delivery weeks	Height	Weight
11,980.00 10,400.00 10,322.00 15,562.05	11,980.00 10,400.00 10,322.00 15,562.05 0.00 0.00	11,206.00 11,121.96 16,768.11 0.00	1177 1241 434	5544 6152 6269 6872	5,514.00 7,062.00 7,446.00 2,604.00 0.00 0.00	11,088.00 12,304.00 12,538.00 13,744.00 0.00 0.00	16,602.00 19,366.00 19,984.00 16,348.00 0.00 0.00	29,510.45 30,572.00 31,105.96 33,116.11 0.00 0.00	10 11 18 13	72 66.5 90 89	
	Unit Price 9,012.00 7,725.00 6,295.00 7,147.00 olt Padmou Unit Price 11,980.00 10,400.00 10,322.00	Unit Price Price  9,012.00 27,036.00 7,725.00 23,175.00 6,295.00 18,885.00 7,147.00 21,441.00 0.00 0.00   Olt Padmount Num  Unit Extended Price  11,980.00 11,980.00 10,400.00 10,400.00 10,322.00 10,322.00 15,562.05 0.00	Unit Price Price W/tax  9,012.00 27,036.00 29,131.29 7,725.00 23,175.00 24,971.06 6,295.00 18,885.00 20,348.59 7,147.00 21,441.00 23,102.68 0.00 0.00  Olt Padmount Number of units:  Unit Extended Price Price W/tax  11,980.00 11,980.00 12,908.45 10,400.00 10,400.00 11,206.00 10,322.00 10,322.00 11,121.96 15,562.05 15,562.05 16,768.11 0.00 0.00	Unit Price Price W/tax loss (watts)  9,012.00 27,036.00 29,131.29 254 7,725.00 23,175.00 24,971.06 633 6,295.00 18,885.00 20,348.59 654 7,147.00 21,441.00 23,102.68 810 0.00 0.00  Old Padmount Number of units: 1  Unit Extended Price W/tax loss (watts)  11,980.00 11,980.00 12,908.45 919 10,400.00 10,400.00 11,206.00 1177 10,322.00 10,322.00 11,121.96 1241 15,562.05 15,562.05 16,768.11 434 0.00 0.00	Unit Price Price W/tax loss (watts)  9,012.00 27,036.00 29,131.29 254 3361 7,725.00 23,175.00 24,971.06 633 3021 6,295.00 18,885.00 20,348.59 654 3999 7,147.00 21,441.00 23,102.68 810 3277  0.00 0.00  Old Padmount Number of units: 1  Unit Extended Price W/tax loss (watts)  11,980.00 11,980.00 12,908.45 919 5544 10,400.00 10,400.00 11,206.00 1177 6152 10,322.00 10,322.00 11,121.96 1241 6269 15,562.05 15,562.05 16,768.11 434 6872	Unit Price         Extended Price         Price w/tax         No load loss (watts)         Load loss (watts)         No load loss value           9,012.00         27,036.00         29,131.29         254         3361         4,572.00           7,725.00         23,175.00         24,971.06         633         3021         11,394.00           6,295.00         18,885.00         20,348.59         654         3999         11,772.00           7,147.00         21,441.00         23,102.68         810         3277         14,580.00           0.00         0.00         0.00         0.00         0.00           0.00         0.00         0.00         0.00           0.00         0.00         0.00         0.00           0.00         0.00         0.00         0.00           0.00         0.00         0.00         0.00           0.00         0.00         0.00         0.00           0.00         0.00         0.00         0.00           0.00         0.00         0.00         0.00           0.00         0.00         0.00         0.00           11,980.00         12,908.45         919         5544         5,514.00           10,4	Unit Price         Extended Price         Price w/tax         No load loss (watts)         Load loss (watts)         No load (watts)         Load loss value           9,012.00         27,036.00         29,131.29         254         3361         4,572.00         20,166.00           7,725.00         23,175.00         24,971.06         633         3021         11,394.00         18,126.00           6,295.00         18,885.00         20,348.59         654         3999         11,772.00         23,994.00           7,147.00         21,441.00         23,102.68         810         3277         14,580.00         19,662.00           0.00         0.00         0.00         0.00         0.00         0.00         0.00           0.00         0.00         0.00         0.00         0.00         0.00         0.00           0.01         0.00         0.00         0.00         0.00         0.00         0.00           0.00         0.00         0.00         0.00         0.00         0.00         0.00           0.00         0.00         0.00         0.00         0.00         0.00         0.00           0.00         0.00         0.00         0.00         0.00         0.00	Unit Price         Extended Price         Price w/tax         No load loss (watts)         Load loss (watts)         No load loss value         Load loss value         Cost of Losses           9,012.00         27,036.00         29,131.29         254         3361         4,572.00         20,166.00         24,738.00           7,725.00         23,175.00         24,971.06         633         3021         11,394.00         18,126.00         29,520.00           6,295.00         18,885.00         20,348.59         654         3999         11,772.00         23,994.00         35,766.00           7,147.00         21,441.00         23,102.68         810         3277         14,580.00         19,662.00         34,242.00           0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00           0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00           Unit Padmount         Number of units:         1 </td <td>Unit Price         Extended Price         Price w/tax         No load loss (watts)         Load loss (watts)         No load loss value         Load loss value         Cost of Losses         Life cycle Cost           9,012.00         27,036.00         29,131.29         254         3361         4,572.00         20,166.00         24,738.00         53,869.29           7,725.00         23,175.00         24,971.06         633         3021         11,394.00         18,126.00         29,520.00         54,491.06           6,295.00         18,885.00         20,348.59         654         3999         11,772.00         23,994.00         35,766.00         56,114.59           7,147.00         21,441.00         23,102.68         810         3277         14,580.00         19,662.00         34,242.00         57,344.68           0.00&lt;</td> <td>Unit Price         Extended Price         Price w/tax         No load loss (watts)         Load loss (watts)         No load loss value         Load loss value         Cost of Losses         Life cycle Cost         Delivery weeks           9,012.00         27,036.00         29,131.29         254         3361         4,572.00         20,166.00         24,738.00         53,869.29         13           7,725.00         23,175.00         24,971.06         633         3021         11,394.00         18,126.00         29,520.00         54,491.06         10           6,295.00         18,885.00         20,348.59         654         3999         11,772.00         23,994.00         35,766.00         56,114.59         11           7,147.00         21,441.00         23,102.68         810         3277         14,580.00         19,662.00         34,242.00         57,344.68         18           0.00         0.</td> <td>Unit Price         Extended Price         Price w/tax         No load loss (watts)         Load loss (watts)         No load loss value         Load loss value         Cost of Losses         Life cycle Cost         Delivery weeks         Height           9,012.00         27,036.00         29,131.29         254         3361         4,572.00         20,166.00         24,738.00         53,869.29         13         77           7,725.00         23,175.00         24,971.06         633         3021         11,394.00         18,126.00         29,520.00         54,491.06         10         66.75           6,295.00         18,885.00         20,348.59         654         3999         11,772.00         23,994.00         35,766.00         56,114.59         11         58.5           7,147.00         21,441.00         23,102.68         810         3277         14,580.00         19,662.00         34,242.00         57,344.68         18         75           olt         0.00&lt;</td>	Unit Price         Extended Price         Price w/tax         No load loss (watts)         Load loss (watts)         No load loss value         Load loss value         Cost of Losses         Life cycle Cost           9,012.00         27,036.00         29,131.29         254         3361         4,572.00         20,166.00         24,738.00         53,869.29           7,725.00         23,175.00         24,971.06         633         3021         11,394.00         18,126.00         29,520.00         54,491.06           6,295.00         18,885.00         20,348.59         654         3999         11,772.00         23,994.00         35,766.00         56,114.59           7,147.00         21,441.00         23,102.68         810         3277         14,580.00         19,662.00         34,242.00         57,344.68           0.00<	Unit Price         Extended Price         Price w/tax         No load loss (watts)         Load loss (watts)         No load loss value         Load loss value         Cost of Losses         Life cycle Cost         Delivery weeks           9,012.00         27,036.00         29,131.29         254         3361         4,572.00         20,166.00         24,738.00         53,869.29         13           7,725.00         23,175.00         24,971.06         633         3021         11,394.00         18,126.00         29,520.00         54,491.06         10           6,295.00         18,885.00         20,348.59         654         3999         11,772.00         23,994.00         35,766.00         56,114.59         11           7,147.00         21,441.00         23,102.68         810         3277         14,580.00         19,662.00         34,242.00         57,344.68         18           0.00         0.	Unit Price         Extended Price         Price w/tax         No load loss (watts)         Load loss (watts)         No load loss value         Load loss value         Cost of Losses         Life cycle Cost         Delivery weeks         Height           9,012.00         27,036.00         29,131.29         254         3361         4,572.00         20,166.00         24,738.00         53,869.29         13         77           7,725.00         23,175.00         24,971.06         633         3021         11,394.00         18,126.00         29,520.00         54,491.06         10         66.75           6,295.00         18,885.00         20,348.59         654         3999         11,772.00         23,994.00         35,766.00         56,114.59         11         58.5           7,147.00         21,441.00         23,102.68         810         3277         14,580.00         19,662.00         34,242.00         57,344.68         18         75           olt         0.00<

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#### RESOLUTION NO. 96-183

# A RESOLUTION OF THE LODI CITY COUNCIL AWARDING THE BID FOR THE PURCHASE OF FOUR PADMOUNT TRANSFORMERS FOR THE ELECTRIC UTILITY DEPARTMENT

WHEREAS, in answer to notice duly published in accordance with law and the order of this City Council, sealed bids were received and publicly opened on December 3, 1996 at 11:00 a.m. for the purchase of four padmount transformers for the Electric Utility Department, described in the specifications therefore approved by the City Council on November 6, 1996; and

WHEREAS, said bids have been compared, checked, and tabulated and a report thereof filed with the City Manager as shown on Exhibit A attached hereto; and

WHEREAS, the City Manager recommends that award of the bid for the purchase of four padmount transformers for the Electric Utility Department, be made to the bidders whose proposals and equipment met City of Lodi specifications, and whose transformers yielded the lowest overall life-cycle costs in each rating category, to wit:

Bidder	Quantity	Type	Total
Western States Electric, Portland, OR	1 Unit	1000KVA size	\$12,908.45
GE Supply Company, Sacramento	3 Units	500 KVA size	\$29,131.29

NOW, THEREFORE, BE IT RESOLVED by the Lodi City Council that the award of the purchase of four padmount transformers for the Electric Utility Department, be and the same is hereby awarded to the above-described responsible bidders, in the total amount of \$42,039.74.

Dated: December 18, 1996

I hereby certify that Resolution No. 96-183 was passed and adopted by the City Council of the City of Lodi in a regular meeting held December 18, 1996, by the following vote:

AYES:

COUNCIL MEMBERS - Land, Mann, Sieglock, Warner and

Pennino (Mayor)

NOES:

**COUNCIL MEMBERS - None** 

ABSENT:

**COUNCIL MEMBERS - None** 

ABSTAIN:

COUNCIL MEMBERS - None

ENNIFER M. PERRIN

City Clerk

96-183

## TRANSFORMER BID EVALUATION

December 3,1996

Tax (factor) 1.0775
No load loss \$/watt 6.00
Load loss \$/watt 2.00

500 KVA, 208Y/120	Volt Padmou	<b>nt</b> Num	nber of units:	3	2000	νους ψηνιαιι	2.00					
Vendor	Unit Price	Extended Price	Price w/tax	No load loss (watts)	Load loss (watts)	No load loss value	Load loss value	Cost of Losses	Life cycle Cost	Delivery weeks	Height	Weight
G E Supply	9,012.00	27,036.00	29,131.29	254	3361	4,572.00	20,166.00	24,738.00	53,869.29	13	77	
Western States	7,725.00	23,175.00	24,971.06	633	3021	11,394.00	18,126.00	29,520.00	54,491.06	10	66.75	
Wesco	6,295.00	18,885.00	20,348.59	654	3999	11,772.00	23,994.00	35,766.00	56,114.59	11	58.5	
Cooper	7,147.00	21,441.00	23,102.68	8,10	3277	14,580.00	19,662.00	34,242.00	57,344.68	18	75	
,		0.00	0.00			0.00	0.00	0.00	0.00			
		0.00	0.00			0.00	0.00	0.00	0.00			
1,000 KVA, 480Y/277 Vendor	Unit Price	Extended Price	Price w/tax	No load loss (watts)	Load loss (watts)	No load loss value	Load loss value	Cost of Losses	Life cycle Cost	Delivery weeks	Height	Weight
Western States	11,980.00	11,980.00	12,908.45	919	5544	5,514.00	11,088.00	16,602.00	29,510.45	10	72	
Wesco	10,400.00	10,400.00	11,206.00		6152	7,062.00	12,304.00	19,366.00	30,572.00	11	66.5	
Cooper	10,322.00	10,322.00	11,121.96		6269	7,446.00	12,538.00	19,984.00	31,105.96	18	90	
G E Supply	15,562.05	15,562.05	16,768.11	434	6872	2,604.00	13,744.00	16,348.00	33,116.11	13	89	
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